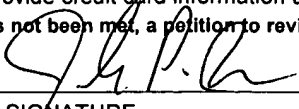


FORM PTO-1390 (REV. 02-2005)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				40072-0025	
				U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 107561200	
INTERNATIONAL APPLICATION NO. PCT/JP2004/008625		INTERNATIONAL FILING DATE June 18, 2004		PRIORITY DATE CLAIMED June 18, 2003	
TITLE OF INVENTION CRYSTALLINE CARBAPENEM INTERMEDIATE					
APPLICANT(S) FOR DO/EO/US Kazuhiro AIHARA; Toshifumi HASEGAWA; Shinichi KITAHARA; Takashi WATANABE; Takashi ANDO; Takehiko SAWABE; Eiki SHITARA; Kunio ATSUMI; Kasumi OTA					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> had been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).					
Items 11 to 20. below concern document(s) or information included:					
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 132 and 37 CFR 1.821-1825 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4) 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Copy of PCT/ISA/210; PCT/IB/308; PCT/IB/301; PCT/IB/304					

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.7) 10/561200		INTERNATIONAL APPLICATION NO. PCT/JP2004/008625		ATTORNEY'S DOCKET NUMBER 40072-0025	
21. The following fees are submitted:				CALCULATIONS PTO USE ONLY	
<input checked="" type="checkbox"/> a) Basic national fee.....\$300.00					
<input checked="" type="checkbox"/> b) Examination fee\$200.00					
<input checked="" type="checkbox"/> c) Search fee.....\$500.00					
TOTAL OF ABOVE CALCULATIONS =				900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
TOTAL SHEETS	EXTRA SHEETS	NUMBER EXTRA (of each additional 50 or fraction thereof rounded up to a whole number)	RATE		
-100 =	50 =		x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	22 - 20 =	2	x \$50.00	100.00	
Independent claims	1 - 3 =	0	x \$200.0		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.0		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					
SUBTOTAL =				1000.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					
TOTAL NATIONAL FEE =					
Fee for recording the enclose assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				40.00	
TOTAL FEES ENCLOSED =				1040.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$1,040.00 to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees.					
A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment					
To Deposit Account No. 08-1641 A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Customer No.: 26633		SIGNATURE  John P. Isacson, Reg. No. 33,715			
		NAME		Date	
		REGISTRATION NO.: 33,715		December 19, 2005	

COMBINED FEE TRANSMITTAL for FY 2005 <i>Effective 12/08/2004. Patent fees are subject to annual revision.</i>		<div style="text-align: right;"> 10/561200 19 DEC 2005 </div> <div style="text-align: right; font-size: small;"> <i>Complete if Known</i> 10/561200 19 DEC 2005 </div>	
PTO/SB/17 (12-04) (Revised) (For payment of 37 CFR 1.17 fees including (f), (g), (h), & (i))		Application Number	December 19, 2005
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	December 19, 2005
TOTAL AMOUNT OF PAYMENT (S) 1,040.00		First Named Inventor	Kazuhiro AIHARA et al.
METHOD OF PAYMENT (check one)		Examiner Name	To be assigned
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		Art Unit	To be assigned
Deposit Account Number: 08-1641		Attorney Docket No.	40072-0025
Deposit Account Name: Heller Ehrman White & McAuliffe LLP			

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																					
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		4. PETITION FEES UNDER 37 CFR 1.17 (f) Fee Code: 1462 Fee \$ 400 For petitions filed under: § 1.53(e); § 1.57(a); § 1.182; § 1.183; § 1.378(e); § 1.741(b)																																																																																																					
Deposit Account Number: 08-1641		5. PETITION FEES UNDER 37 CFR 1.17 (g) Fee Code: 1463 Fee \$ 200 For petitions filed under: § 1.12; § 1.14; § 1.47; § 1.59; § 1.103(a); § 1.136(b); § 1.295; § 1.296; § 1.377; § 1.550(c); § 1.956; § 5.12; § 5.15; § 5.25																																																																																																					
Deposit Account Name: Heller Ehrman White & McAuliffe LLP		6. PETITION FEES UNDER 37 CFR 1.17 (h) Fee Code: 1464 Fee \$ 130 For petitions filed under: § 1.19(g); § 1.84; § 1.91; § 1.102(d); § 1.138(c); § 1.313; § 1.314																																																																																																					
The Commissioner is authorized to: (check all that apply)		7. PROCESSING FEES UNDER 37 CFR 1.17 (i) Fee Code: 1808 (1803 for § 1.221) Fee \$ 130 For petitions filed under: § 1.28(c)(3); § 1.41; § 1.48; § 1.52(d); § 1.53(b)(3); § 1.55; § 1.99(e); § 1.103(b); § 1.103(c); § 1.103(d); § 1.217; § 1.221; § 1.291(c)(5); § 1.497(d); § 3.81																																																																																																					
<input type="checkbox"/> Charge fee(s) indicated below		8. OTHER FEES																																																																																																					
<input checked="" type="checkbox"/> Credit any overpayments and charge any deficiencies		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">Entity Fee (\$)</th> <th style="width: 10%;">Entity Fee (\$)</th> <th style="width: 60%;">Fee Description</th> <th style="width: 20%;">Fee Paid</th> </tr> <tr> <td>130</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>50</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>130</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>2,520</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td></td> </tr> <tr> <td>920*</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1,840*</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>120</td> <td>60</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>450</td> <td>225</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1,020</td> <td>510</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1,590</td> <td>795</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>2,160</td> <td>1,080</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>500</td> <td>250</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>790</td> <td>395</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>1,510</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>500</td> <td>250</td> <td>Petition to revive - unavoidably abandoned application</td> <td></td> </tr> <tr> <td>1,500</td> <td>750</td> <td>Petition to revive - unintentionally abandoned application</td> <td></td> </tr> <tr> <td>50</td> <td>50</td> <td>Processing fee for provisional appls (37 CFR 1.17(q))</td> <td></td> </tr> <tr> <td>180</td> <td>180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>1,000</td> <td>500</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>790</td> <td>395</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>790</td> <td>395</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>900</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="2">Other fee (specify): <u>Assignment</u></td> <td colspan="2">40.00</td> </tr> <tr> <td colspan="2" style="text-align: right;"> SUBTOTAL (4+5+6+7+8) </td> <td colspan="2" style="text-align: right;">40.00</td> </tr> </table>		Entity Fee (\$)	Entity Fee (\$)	Fee Description	Fee Paid	130	65	Surcharge - late filing fee or oath		50	25	Surcharge - late provisional filing fee or cover sheet		130	130	Non-English specification		2,520	2,520	For filing a request for <i>ex parte</i> reexamination		920*	920*	Requesting publication of SIR prior to Examiner action		1,840*	1,840*	Requesting publication of SIR after Examiner action		120	60	Extension for reply within first month		450	225	Extension for reply within second month		1,020	510	Extension for reply within third month		1,590	795	Extension for reply within fourth month		2,160	1,080	Extension for reply within fifth month		500	250	Filing a brief in support of an appeal		790	395	Filing a submission after final rejection (37 CFR 1.129(a))		1,510	1,510	Petition to institute a public use proceeding		500	250	Petition to revive - unavoidably abandoned application		1,500	750	Petition to revive - unintentionally abandoned application		50	50	Processing fee for provisional appls (37 CFR 1.17(q))		180	180	Submission of Information Disclosure Statement		1,000	500	Request for oral hearing		790	395	For each additional invention to be examined (37 CFR 1.129(b))		790	395	Request for Continued Examination (RCE)		900	900	Request for expedited examination of a design application		Other fee (specify): <u>Assignment</u>		40.00		SUBTOTAL (4+5+6+7+8)		40.00	
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<input type="checkbox"/> Charge any additional fee(s) during the pendency of this application		* Reduced by Basic Filing Fee Paid																																																																																																					
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the deposit account																																																																																																							

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
	FILING FEES		SEARCH FEES		EXAMINATION FEES		
Application Type	Entity Fee (\$)	Small Entity Fee (\$)	Entity Fee (\$)	Small Entity Fee (\$)	Entity Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	900.00
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
SUBTOTAL (1)						900.00	
2. EXTRA CLAIM FEES							
Entity Fee (\$)	Small Entity Fee (\$)	Fee Description					
50	25	Each claim in excess of 20 or, for Reissues, each claim in excess of 20 and more than in the original patent					
200	100	Each Independent claim in excess of 3 or, for Reissues, each independent claim more than in the original patent					
360	180	Multiple dependent claim, if not already paid					
		Extra Claims	Fee from above	Fee Paid			
Total Claims	22	-20** =	2	x	50.00	=	100.00
Independent Claims	1	-3** =	0	x		=	
**or number previously paid, if greater; For Reissues see below							
Multiple Dependent			=				
SUBTOTAL (2)						100.00	
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof (round up to the whole number). See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s)							
Total Sheets		Extra Sheets		Number of each additional 50	Fee (\$)		Small Entity Fee (\$)
	-100 =		/50 =		x 250	OR	x 125
SUBTOTAL (3)						\$	

SUBMITTED BY				Complete (if applicable)			
Name (Print/Type)		John P. Isacson		Registration No. (Attorney/Agent)		33,715	
Signature				Date		December 19, 2005	
				Telephone		202-912-2000	
				Customer No.		26633	